IN THE CLAIMS

Claims 1-10 (Canceled).

11. (Previously presented) A fixture shaped and configured to be screwed firmly into bone tissue, said fixture comprising:

a generally cylindrical anchoring portion formed with an insertion end and having an external screw thread, a cavity which opens out at said insertion end, and a number of through-penetrating slots extending from said insertion end, wherein each slot connects the cavity with the outside of said anchoring portion and wherein each slot is defined by a leading slot wall and a trailing slot wall where said leading and trailing slot walls relate to the direction of rotation defined by said screw thread when screwing in the fixture, wherein at least the radially outermost part of said trailing slot wall defines an angle α with the radial direction and slopes obliquely forwardly from within and outwardly in said direction of rotation.

12. (Previously presented) The fixture according to claim 11, wherein the whole of the trailing slot wall defines the same angle α.

13. (Previously presented) The fixture according to claim 12, wherein said leading slot wall also slopes obliquely forward from within and outward in said direction of rotation.

14. (Previously presented) The fixture according to claim 13, wherein said leading and trailing slot walls are parallel with one another.

15. (Previously presented) The fixture according to claim 11, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

16. (Previously presented) The fixture according to claim 12, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

17. (Previously presented) The fixture according to claim 13, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

18. (Previously presented) The fixture according to claim 14, wherein the angle α is 20°-40° at the radially outer end of the trailing slot wall.

19. (Previously presented) The fixture according to claim 11, wherein the angle α is 27°-33° at the radially outer end of the trailing slot wall.

20. (Previously presented) The fixture according to claim 12, wherein the angle α is 27°-33° at the radially outer end of the trailing slot wall.

21. (Previously presented) The fixture according to claim 11, wherein the slots are 3-10 in number.

22. (Previously presented) The fixture according to claim 12, wherein the slots are 3-10 in number.

23. (Previously presented) The fixture according to claim 15, wherein the slots are 3-10 in number.

24. (Previously presented) The fixture according to claim 11, wherein the slots are 5-7 in number.

25. (Previously presented) The fixture according to claim 12, wherein the slots are 5-7 in number.

26. (Previously presented) The fixture according to claim 15, wherein the slots are 5-7 in number.

27. (Previously presented) The fixture according to claim 11, wherein the cavity is circular in cross-section and widens conically in a direction toward said insertion end.

28. (Previously presented) The fixture according to claim 12, wherein the cavity is circular in cross-section and widens conically in a direction toward said insertion end.

29. (Previously presented) The fixture according to claim 13, wherein the cavity is circular in cross-section and widens conically in a direction toward said insertion end.

30. (Previously presented) The fixture according to claim 11, wherein the slot width at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

31. (Previously presented) The fixture according to claim 12, wherein the slot width at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

32. (Previously presented) The fixture according to claim 13, wherein the slot width at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

33. (Previously presented) The fixture according to claim 27, wherein the slot width at the radially outer end of said slot corresponds to 15-35% of the peripheral distance between two slots on the outside of the fixture.

34. (Previously presented) The fixture according to claim 11, wherein that the fixture is made of titanium.

35. (Previously presented) The use of a fixture according to claim 11 for anchoring a prosthesis in bone tissue by drilling a hole into the bone tissue, the hole being smaller than the inner diameter of the screw thread on the anchoring portion, and screwing the fixture into the drilled hole, thereby providing means for connecting a prosthesis to the bone tissue.